

DIRECT 1991																TOBPF EX/ADMIN			
OPERATIONS SUPPORT		TOTAL	ADMIN	ARD	BCR	CAD	CHM	CIGDEV	CIGTEC	CTSD	DEVENG	FLADEV	PED	PHY	STS-TA	TIS	TOBFUN	TOBMATL	TOBPF EX/ADMIN
Adhesives		2.60		2.00						0.00		0.20						0.40	
Cigarette Monitoring		1.20										0.10						0.10	
Materials Evaluation		5.20			3.50			0.05	0.25	0.00	0.50							1.20	
Customer Complaints-T/O/S		1.90			1.00					0.70									
Flavor Dev/Analytical Sup		1.40										0.10							
Marlboro Standardization		5.75			1.00				0.25		3.00		0.20						
Alt Humectants/Preserv		1.55										1.00							
Micro Quality Improv		4.20							4.10				0.10						
Monogram Inks		1.00																	
Packaging - Inks & Solvents		3.95			1.00					2.75		2.00		0.20					
Semeworks Support		17.10											0.10					15.00	
Burley Spray/Dry Flavors		0.40										0.10						0.30	
Flavor Specs/Certs		2.30											0.60						
ETS Studies		1.10												0.20					
Entomological Support		5.30			1.00			4.30						0.10					
Project Warhol		0.00						0.00											
Engineering Stud/Methods		3.00						2.50				0.50							
Recon Sheet Certification		0.00											0.00						
Cooperative Leaf Studies		2.00																	
Environmental Issues		6.00						1.50		0.50									
PROJECT TOMORROW		15.45						1.00		0.20	0.35	2.00	1.25	0.50	0.20				
OPTICAL PROCESSING		6.35																0.15	
NEW EXPANSION PROCESS		36.95						3.00		0.20				3.50	0.85	8.00	0.70	2.00	
CAST LEAF RCB PROCESS		13.80						2.00					0.80	0.70				8.40	
PROJECT ART													0.00					1.00	
Art Sup of Current proc		19.60						3.00	0.25	1.05	1.00	0.25	1.00	0.40	0.25	0.50		3.20	
Art Process Development		17.25						4.00	0.40	0.20	1.05			1.10	1.00	0.50		9.00	
Art Total																			
PROJECT BETA		28.75												1.70	0.25	21.00		3.30	
PROJECT SIGMA		1.00											0.10					0.90	
TSNA		18.50																	
LBA		11.20						0.50	10.40		0.10								
REDUCED SS/PAPER TECH		36.85						6.50	1.10	0.20	13.00	0.25	11.25						
PROJECT AMBROSIA/ASH TRAY ODOR		0.25						2.00	0.10		2.10	1.75	1.00						
PROJECT FACT		2.70													0.40				
LOW TAR/HIGH FLAVOR		10.60						1.00		1.50	0.95	2.00	1.00	0.50					
FILTER RESEARCH		0.00																	
Domestic		5.55						0.50	0.20	0.05		3.00	0.50	0.30		0.50		0.50	
International		1.50											1.50	0.00					
DOMESTIC PRODUCT DEVELOPMENT		61.20						1.00		0.30	4.00	1.75	14.00	4.15	24.30			1.00	
INTERNATIONAL PRODUCT SUPPORT		0.00															0.00	0.00	
PM USA		17.80						1.50		0.30	0.20			1.50	2.00	1.00		0.50	
PM PI		41.00											15.00	22.00	2.00	2.00		0.80	
PROJECT NATURAL		1.50									0.50				0.20			0.80	
INGREDIENTS		2.00								0.20									
MENTHOL		5.90									0.90	0.50	0.30	0.50	1.20	2.00		0.50	
REDUCED TAR & NICOTINE INTL		1.70										0.50	0.50		0.20			0.50	
SELECTIVE FILTRATION		2.40										1.50				0.50			
NEW PACKAGING CONCEPTS		0.20										0.20							
PROCESS DEV STUDIES		2.00										1.10							
COMBUSTION RESEARCH																			
Mass Burn Control		1.10										0.10				1.00			
Pyrolysis Temp Control		0.00																	
FLAVORS																			
Thermal Flavor Release		3.35						0.50			1.60		0.25						
Flavor Formation Studies		1.20										0.20							
Fragrances		0.25										0.20							
Volatile Flavors		0.85										0.40							
AEROSOLS																			
Formation Mechanisms		4.55														2.00			
Short Lived Aerosols		1.00														1.00			
SELECTIVE SEPARATIONS																			
Supercritical Technology		2.40						2.00	0.40										

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DIRECT 1991	0.45					0.45													
Membrane Separation																			
CONSUMER TESTING RESEARCH																			
Regression Based Mod of Lik	1.50																		1.50
Stochastic Discrimination Mo	0.50																		0.50
Cost/Benefit Eval	0.50																		0.50
Quant Mod of Market Dynamics	0.20																		0.20
CHEMICAL SENSES																			
Electrophysiological Stud	0.60					0.60													
Trigeminal Stud	0.25					0.25													
Odor Panel	0.40						0.40												
Room Odor Panel	0.00																		
Flav Response/ Chm Aspects	0.80					0.50													0.30
Struct-Act Relationships	0.20					0.20													
MEAS & SENS OF PHY & CHM CHAR																			
Process Control Sys	1.00					1.00													
BIOLOGICAL																			
Bioconversion	3.25					1.00	2.20												
Antibodies	0.75						0.70												
Biosensors	1.30						1.30												
COMPUTING SYSTEMS																			
Expert Sys & Neural Net	2.00						2.00												
Optical Computing	0.00																		
BASIC ANALYTICAL RESEARCH																			
Plant Tissue culture	1.35					1.35													
Processing Plt Sup	0.40					0.00													
Biochemical Processing	0.00																		
Alpha	0.00																		
Primary Improv	4.00																	4.00	
Recon Plt Sup	2.90																	2.90	
Total Support	142.20	28.00	1.00	0.00	28.00	2.70	0.00	0.00	11.00	16.50	0.00	0.00	0.00	11.00	0.00	0.00	0.00	43.00	
Total Direct	434.80	0.00	57.00	50.00	5.00	25.30	13.00	29.00	26.00	9.50	23.00	28.00	49.00	8.00	0.00	15.00	38.00	59.00	0.00
Total Direct & Support	577.00	28.00	58.00	50.00	39.00	28.00	13.00	29.00	37.00	26.00	23.00	28.00	49.00	8.00	11.00	15.00	38.00	59.00	43.00
	577.00																		
	434.80																		

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